

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (cancelled)

1 Claim 4 (currently amended): A magnetron drive power
2 supply comprising a commercial power supply, a high-
3 frequency inverter for converting electric power of the
4 commercial power supply into high-frequency power and
5 supplying the high-frequency power to a high-voltage
6 transformer, a high-voltage rectification circuit and a
7 magnetron being connected to secondary output of the high-
8 voltage transformer, a voltage detecting means to detect
9 the voltage of the commercial power supply comprising an
10 input current detector which detects a current value of the
11 high-frequency inverter, and controller for controlling the
12 high-frequency inverter, characterized in that if the
13 detection value of the input current detector has a
14 predetermined difference from a target value continuously
15 for a given time, the controller stops the high-frequency
16 inverter.

1 Claim 5 (original): The magnetron drive power
2 supply as claimed in claim 4 wherein the predetermined

3 difference between the detection value of the input current
4 detector and the target value is set in response to the
5 target value.